

## INTERNATIONAL SEARCH REPORT

Inter Application No  
PCT/L 2004/008683

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/415 C12N15/82 A01H5/00 C12N15/29

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ROSSI M ET AL: "The nematode resistance gene M1 of tomato confers resistance against the potato aphid" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 95, no. 17, 18 August 1998 (1998-08-18), pages 9750-9754, XP002262826 ISSN: 0027-8424 cited in the application the whole document -/--	1-19, 21-31, 34-43

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

2 November 2004

Date of mailing of the international search report

24/11/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>&amp; DATABASE EMBL 'Online!  19 August 1998 (1998-08-19), "Lycopersicon  esculentum disease resistance gene homolog  Mi-copy2 gene, complete cds; resistance  gene pseudogene, complete sequence;  disease resistance gene homolog Mi-copy1  gene, complete cds; and unknown gene."  retrieved from EBI accession no.  EM_PRO:U81378  Database accession no. U81378</p>	<p>1-19,  21-31,  34-43</p>
X	<p>WO 98/06750 A (ZABEAU MARC ; SIMONS GUUS  (NL); KEYGENE NV (NL); VOS PIETER (NL);  WIJB) 19 February 1998 (1998-02-19)  page 13, line 5 - line 18; figures 5,7</p>	<p>1-19,  21-31,  34-43</p>
X	<p>MILLIGAN S B ET AL: "The root knot  nematode resistance gene Mi from tomato is  a member of the leucine zipper, nucleotide  binding, leucine-rich repeat family of  plant genes"  PLANT CELL, AMERICAN SOCIETY OF PLANT  PHYSIOLOGISTS, ROCKVILLE, MD, US,  vol. 10, no. 8, August 1998 (1998-08),  pages 1307-1319, XP002262827  ISSN: 1040-4651  cited in the application  page 1311, column 2, paragraph 2 - page  1315, column 2, paragraph 1</p>	<p>1-19,  21-31,  34-43</p>
X	<p>DATABASE EMBL 'Online!  13 November 2001 (2001-11-13), "Solanum  nigrum NBS-LRR pseudogene, partial  sequence."  XP002262829  retrieved from EBI accession no.  EM_PRO:AY055116  Database accession no. AY055116  cited in the application  abstract</p>	<p>1-43</p>
X	<p>SONG J ET AL: "Gene RB cloned from  Solanum bulbocastanum confers broad  spectrum resistance to potato late blight"  PROCEEDINGS OF THE NATIONAL ACADEMY OF  SCIENCES OF USA, NATIONAL ACADEMY OF  SCIENCE, WASHINGTON, US,  vol. 100, no. 16,  5 August 2003 (2003-08-05), pages  9128-9133, XP002262828  ISSN: 0027-8424  cited in the application  figure 4</p>	<p>1-43</p>

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## INTERNATIONAL SEARCH REPORT

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PC 17 01 2004/008683

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BRADEEN J M ET AL: "CONCOMITANT REITERATIVE BAC WALKING AND FINE GENETIC MAPPING ENABLE PHYSICAL MAP DEVELOPMENT FOR THE BROAD-SPECTRUM LATE BLIGHT RESISTANCE REGION, RB"</p> <p>MGG - MOLECULAR GENETICS AND GENOMICS, SPRINGER VERLAG, BERLIN, DE, vol. 269, no. 5, August 2003 (2003-08), pages 603-611, XP009021738</p> <p>ISSN: 1617-4615</p> <p>the whole document</p>	1-43
P,X	<p>EP 1 334 979 A (K WEEK EN RES BEDRIJF AGRICO B) 13 August 2003 (2003-08-13)</p> <p>the whole document</p>	1-43
P,X	<p>VAN DER VOSSEN EDWIN ET AL: "An ancient R gene from the wild potato species Solanum bulbocastanum confers broad-spectrum resistance to Phytophthora infestans in cultivated potato and tomato."</p> <p>PLANT JOURNAL, vol. 36, no. 6, December 2003 (2003-12), pages 867-882, XP002303445</p> <p>ISSN: 0960-7412</p> <p>the whole document</p>	1-43

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